

DATASHEET

RID 150 V-SERIES S – RENTAL

DIESEL GENERATOR 150 KVA

symbolic image



Power rating

Output power	
Power	150 kVA 120 kW
Current	216 A 173 A
Voltage	230 / 400 V
Frequency	50 Hz
Power factor	0,8 cos φ

Product overview

Order number	712049
Alternator model	Linz PRO22M F/4
Engine type	VOLVO TAD880 GE - Stage 5
Generator type	synchronous
Control panel	RID 3000-A
CE certified in accordance with Machinery Directive 2006/42/EC	

Dimensions and weights Generator

	Length (L)	Width (W)	Height (H)	Weight	Tank
Dimensions	3700 mm	1500 mm	2352 mm	3620 kg	750 l

Noise level

	1 Meter	4 Meter	7 Meter	10 Meter
Noise level	-	-	67 dB(A)	-

Fuel consumption

	25% load	50% load	75% load	100% load
Consumption	9,1 l/h	15,8 l/h	22,5 l/h	29,6 l/h

Engine technical data

Engine output	129 kW
Engine type	VOLVO TAD880 GE - Stage 5
Engine size	6-Cylinder, in-line
Rotational-speed range	1500 u/min
Speed regulation	electricial
Displacement	7,7 l
Engine w/o cooling system	723 kg

Alternator data

Alternator model	Linz PRO22M F/4
Insulation Class	H
Regulation type	AVR
Execution	brushless
Protection class	IP 23
Airflow Requirement	1206 m3/h

Intake and exhaust system

Silencer type	industrial
Max. exhaust gas temperature	412 °C
Exhaust gas flow	1464 m³/h
Max. exhaust back pressure	200 mbar
Air filter type	replaceable element

Engine lubrication

Oil type	RID 10W30
Oil filter type	replaceable element
Total oil volume	27 l
Max. oil temperature	130 °C

Engine cooling

Cooling system	water + air
Cooling system capacity	53,7 l
Fan power consumption	7,2 kW
Cooling air flow	18.360

Controller RID 3000-A



Functions

Current	Battery voltage	Operating hours counter
Frequency	Power (kVA-kW)	Rotational-speed range
Voltage	Power factor Cosφ.	Fuel level (%)

Commands and other

- Four operating modes: OFF – Manual Start – Automatic Start – Automatic Test
- Push button to force the mains contactor or the generator contactor
- Push buttons: Start/Stop, Error Reset, Up/Down/Side Selection/Enter
- Remote start possible
- Audible alarm
- Protective functions with shutdown
- Engine protection: low fuel level, low oil pressure, high engine temperature
- Generator protection: undervoltage/overvoltage, overload, battery undervoltage/overvoltage, battery charger failure
- Protocols: GSM, Ethernet, Modbus, Canbus